

PERSPECTIVE VIEW

NOT TO SCALE

NOTES

1. This plan set shows details for a four (4) primary bin unit. The plan set is to be adapted for \_\_\_\_\_ primary bins and \_\_\_\_\_ storage bins.
2. Structure designed for snow roof loads of 34 psf and wind loads resulting from a 90 mph wind.

Estimated Quantities \*

Item	4 Primary Bin Unit **	Each Additional Primary Bin
6" x 6" Posts	260 lin. ft.	44 lin. ft.
4" x 6" Posts	24 lin. ft.	6 lin. ft.
4" x 4" Posts	45 lin. ft.	8 lin. ft.
2" x 8" Planks	1240 lin. ft.	220 lin. ft.
2" x 6" Planks	84 lin. ft.	14 lin. ft.
2" x 4" Planks	956 lin. ft.	162 lin. ft.
Concrete	20 cu. yds.	4 cu. yds.
Sand and Gravel	25 cu. yds.	5 cu. yds.
Steel Reinforcement	lin. ft.	lin. ft.

\* Does not include any optional items listed on sheet 2 or cutting losses for wood members.  
\*\* Includes one 8' wide storage bin.

TABLE 1

No. of Primary Bins	Total Length Feet-In.	*
2	26'-4"	
3	34'-11"	
4	43'-6"	
5	52'-1"	
6	60'-8"	
7	69'-3"	
8	77'-10"	

\* Includes one 8' wide storage bin.

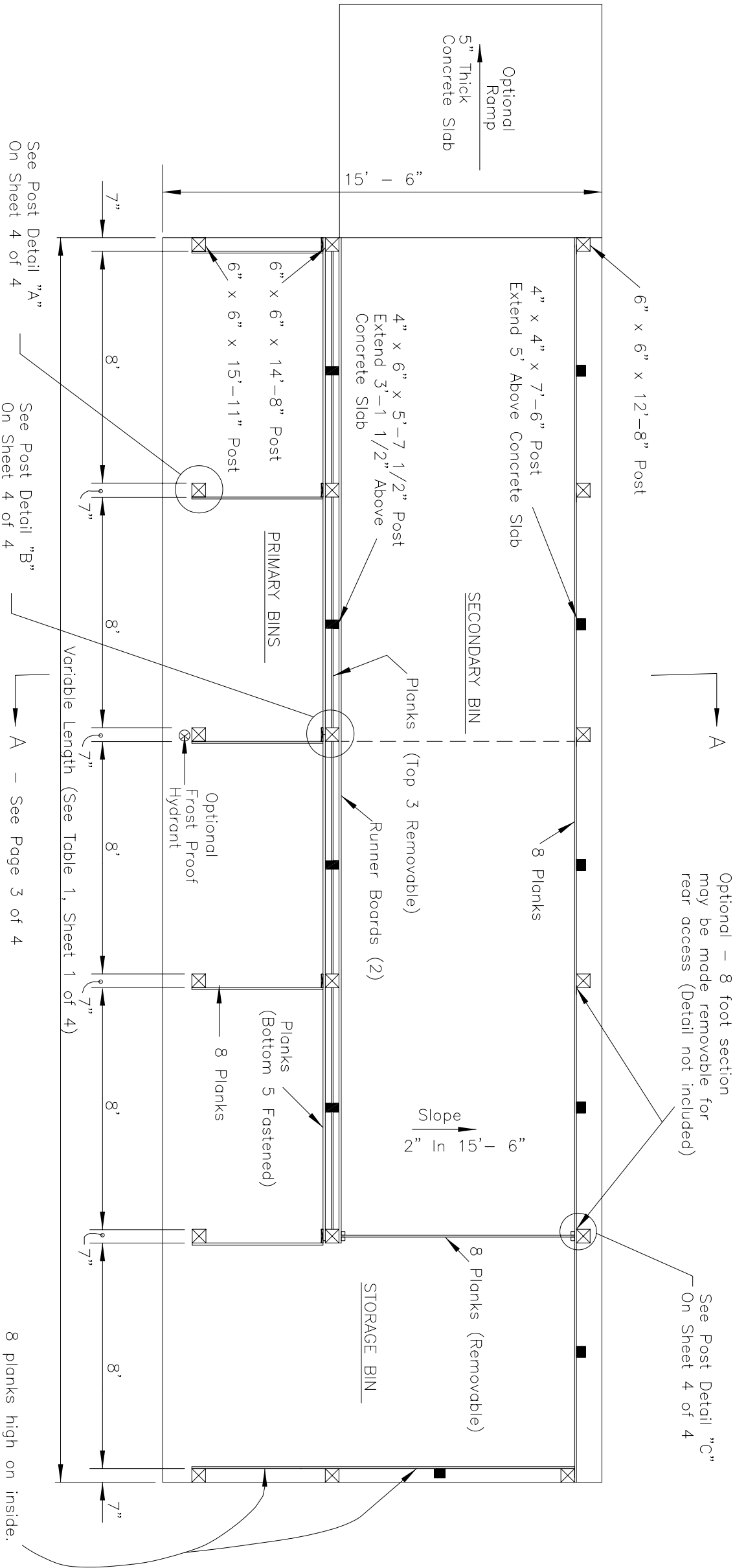
Based on Michigan Drawing No. MI-810 (Dated 8-98)

	Date
Designed	DDR, FG, SLS 3/05
Drawn	BES 4/93
Checked	WH, JAA 3/94
Approved	RWK, JR 3/94

POULTRY CARCASS COMPOST FACILITY  
PERSPECTIVE VIEW



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4/05	
Sheet 1 of 4	



NOTES: 1. Lumber shall be No. 2 Douglas Fir – Larch or better.

2. Pressure treatment on all lumber except rafters, purlins, knee and cross braces shall be 0.4 pounds per cubic foot. Posts shall be treated to 0.6 pounds per cubic foot.

3. Planks are to be 2" x 8" treated wood of variable lengths.

4. Cleats to secure removable planks may be 2" x 2" wooden cleats or 2" x 1 1/2" angle iron (see details sheet 4 of 4).

5. Top 3 planks between primary and secondary bins are to be removable. Support with 2" x 6" blocks attached to both sides of post.

6. Attach purlins to rafters with manufactured purlin (hurricane) ties. Ties are to be placed on the roof peak side of the purlin.

7. Minimum purlin length shall be 10'-0" on interior locations. End purlins shall be 12' long, resulting in a 2' – 5" overhangs on the structure ends.

8. All bolts and nails shall be hot dipped galvanized or stainless steel.

9. Roofing shall be factory galvanized or painted. Roofing shall be installed as recommended by the manufacturer. A ridge cap shall be used.

#### OPTIONAL ITEMS

(to improve entry and exit with equipment)

(a) Double wall along sides of primary bins with 2" x 6" cap.

(b) Double wall between secondary bin and primary bins with 2" x 8" top cap.

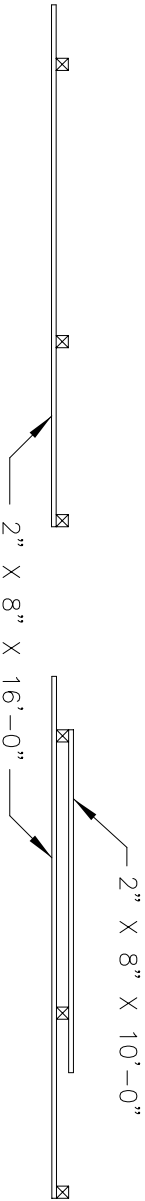
(c) Concrete slab at end of secondary bin.

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## POULTRY CARCASS COMPOST FACILITY FLOOR PLAN VIEW

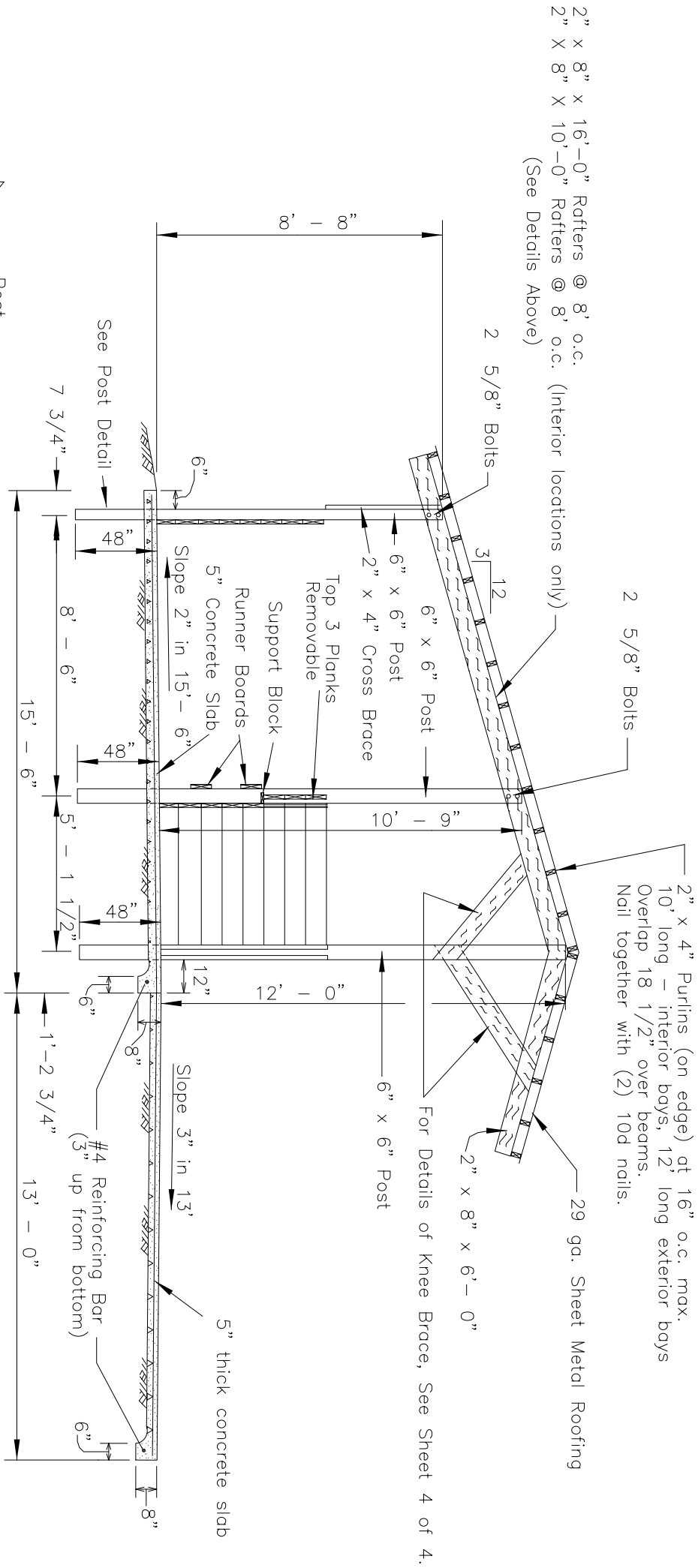


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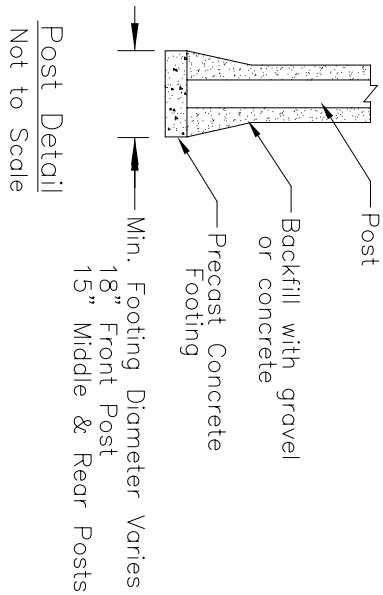


END LOCATION RAFTER PLAN DETAIL

INTERIOR LOCATION RAFTERS PLAN DETAIL



ELEVATION A - A



NOTES:

1. The minimum splice length on #4 reinforcing bars shall be 16".
2. Provide a liquid tight construction joint between the compostor bin slab and front access slab.
3. A 6" thick base course of pit run sand or sand-gravel mixture shall be placed under the concrete slab.
4. Posts shall be separated from the concrete slab with 1/2 inch thick preformed expansion joint material.

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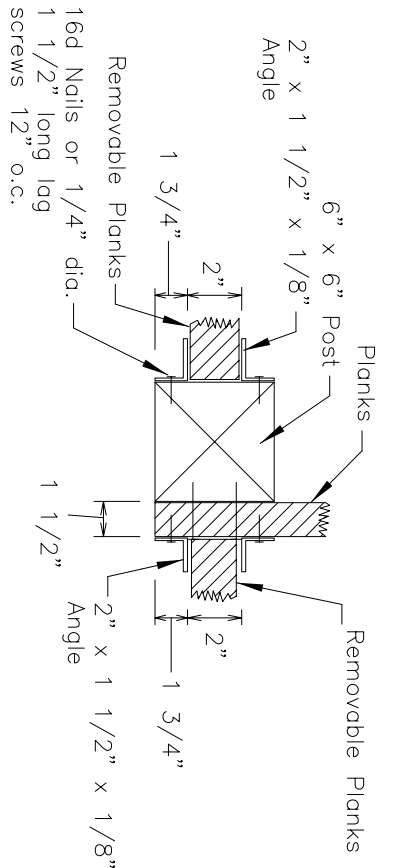


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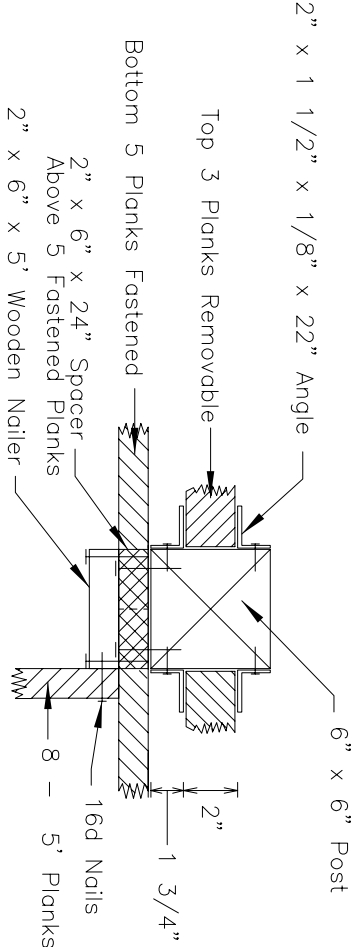
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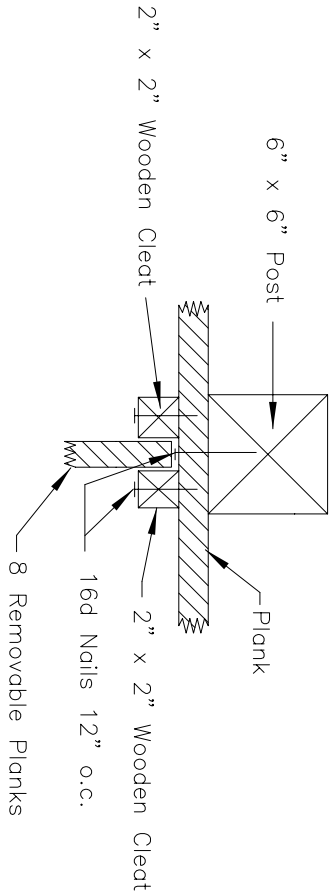
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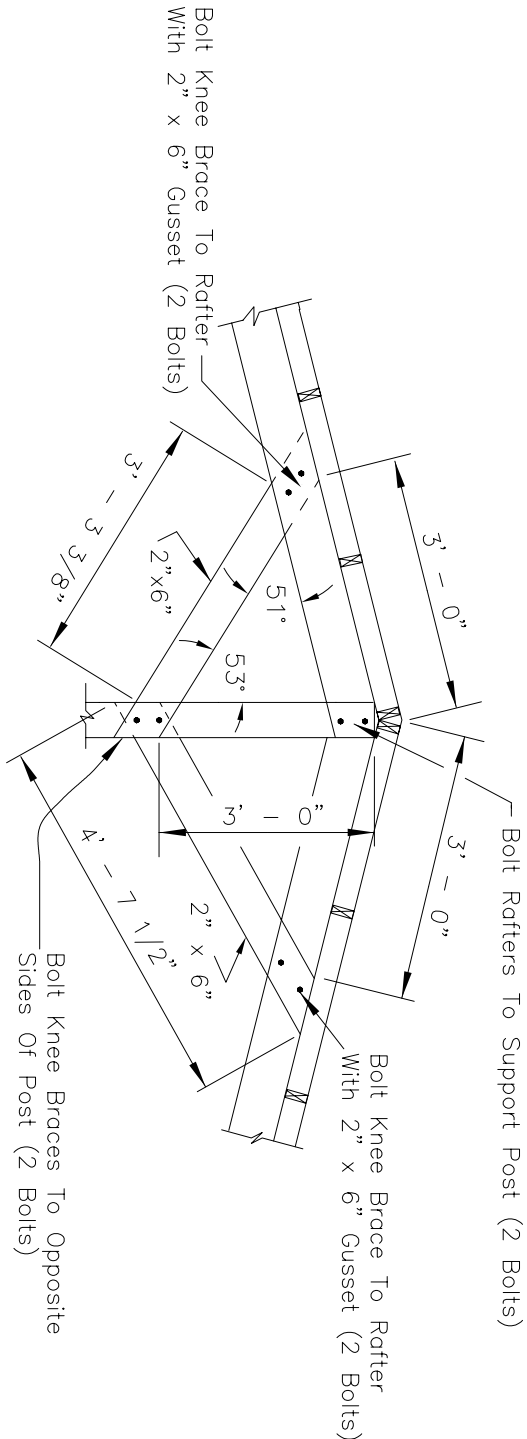
POST DETAIL "A"



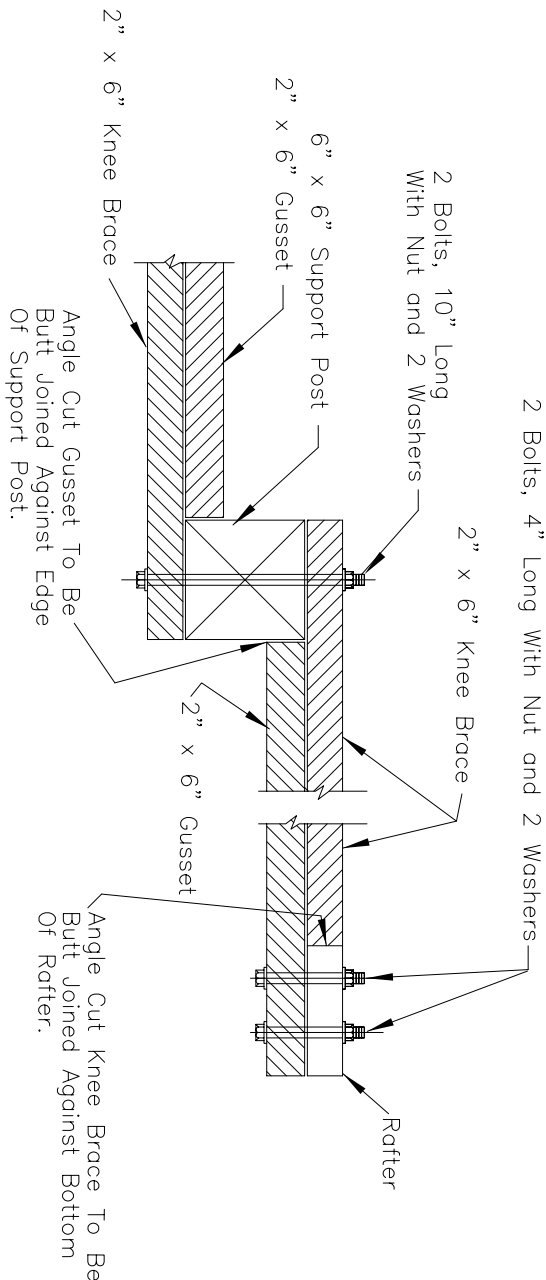
POST DETAIL "B"



POST DETAIL "C"



KNEE BRACE DETAIL



PLAN VIEW - KNEE BRACE

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